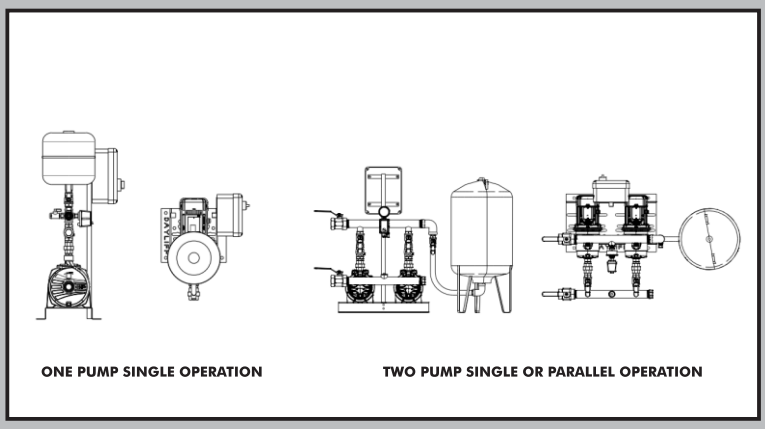
UPDATED

PRESSFLO

Pressure Control Booster Sets



ONE PUMP SINGLE OPERATION

TWO PUMP SINGLE OR PARALLEL OPERATION

DAYLIFF Pressure Booster Sets are the effective way to provide continuous water supply to multiple consumer outlets and offer many advantages over gravity supply systems including:-

- Higher line pressures
- Reduced risk of water contamination
- Compact design requires little space
- Elimination of tank structure improves site architecture
- Substantial capital cost savings

Considering these advantages DAYLIFF Booster Sets have been carefully specified for local conditions and are suitable for all applications from domestic to large institutional size. Particular features are:-

- Pedrollo and Dayliff pumps provide optimal operating performance.
- Easy maintenance diaphragm type pressure vessels.
- Comprehensive control panels complete with mains isolator, pump overload protection and run indicator lights. Optional extras include ammeters, hour meters and current control relays.
- Bellows operated pressure switches easily adjustable for cut-in and differential operating pressures.
- Compact frame mounted design incorporating necessary valves and piping for simple site installation.

SYSTEMS OPTIONS

Two basic types of systems offered, either for Single or Parallel pump operation. The parallel pump systems can also be configured to duty/standby, duty assist configurations or alternatively be fitted with variable frequency drives depending on the use case.

Single pump systems provide for only one 100% duty pump. This arrangement can be provided with either one or two pumps, two pump systems operating on a duty/standby basis. Pump changeover can be manual or automatically alternating after each duty cycle. Parallel pump systems provide for sequential pump operation including two 50% duty pumps with the second pump operating only at higher demand levels. This arrangement has the advantage of reduced energy consumption and reduced capital cost for a given capacity requirement, though continuity of supply is provided in the event of one pump breakdown. For particular applications special designs incorporating more than two pumps or pumps of different size available.

Properly engineered booster systems provide very considerable advantages over more traditional gravity systems and they are now widely accepted as the most efficient and cost effective method of water distribution. By combining the best quality components and many years experience of system design the DAYLIFF range of booster sets provide performance, reliability and value. With the assured service support of Davis & Shirtliff there is no better solution to water distribution available.

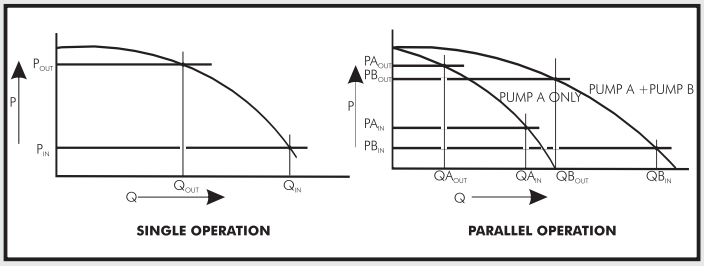
SPECIFICATIONS

All DAYLIFF Booster sets include the following:

Pumps(s): Pedrollo and Dayliff centrifugal pumps fitted with motors rated for continuous operation.

Pressure Vessel(s): Vertical fabricated steel pressure vessels with standard rubber diaphragm.

Piping: Suitably sized piping and fittings are provided for direct suction and delivery line connections including necessary isolating gate valves and non- return valves on the system outlet. The limit of piping is shown in the schematic drawing.



Control Panel: Panel specification is selected according to pump rating and system configuration. Dayliff Smart2 electronic controllers are specified for two pump sets, settable for both single and parallel operation, which feature automatic pump changeover, level alarm connections and adjustable motor overload protection. Other panels specifications vary with system model depending upon motor size.

Mounting Frame: All equipment are mounted on Stainless steel or Galvanised frame to simplify site installation.

PRESSFLO P - PEDROLLO PUMPS MODEL

2.5 BAR SYSTEMS SPECIFICATIONS

PUMP	POWER (kW)	SINGLE OPERATION			PARALLEL OPERATION			DIMENSIONS	CONNECTIONS(")	WEIGHT (KG)
		MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	LxWxH (mm)	SUCTION/ DELIVERY	
CPm158	0.75x1ph	PP1 05/25A	5	1x24L	PP2 10/25A	10	1x60L	1000x650x1000	1½	45
PLURIJETm 4/100	0.75x1ph	PP1 05/25B	5.5	1x24L	PP2 10/25B	11	1x60L	1000x650x1000	1½	45
5CRm100	1.1xph	PP1 06/25	6	1x60L	PP2 12/25	12	1x60L	1000x650x1000	1½	60
PLURIJETm 3/200	1.1x1ph	PP1 09/25	9	1x60L	PP2 18/25	18	1x100L	1000x650x1000	2	95
FCR 15/2	3x3ph	PP1 20/25	20	1x100L	PP2 40/25	40	1x300L	1200x1000x1400	2½	120
FC32/160A	3x3ph	PP1 26/25	26	1x300L	PP2 52/25	52	1x300L	1200x1000x1400	3	165
FCR 30/2	4x3ph	PP1 33/25	33	1x300L	PP2 66/25	66	1x300L	1200x1000x1400	4	180
FCR 30/3	5.5x3ph	PP1 41/25	41	1x300L	PP2 82/25	82	2x300L	1200x1000x1400	4	180

Single operation: Cut-out pressure 3bar, Cut-in pressure 1.8Bar, Parallel Operation: Pump 1: Cut-out pressure 3Bar, Cut-in pressure 1.8Bar, Pump 2: Cut-out pressure 2.5Bar, Cut-in pressure 1.5bar

4 BAR SYSTEMS SPECIFICATIONS

PUMP	POWER (kW)	SINGLE OPERATION			PARALLEL OPERATION			DIMENSIONS	CONNECTIONS(")	WEIGHT (KG)
		MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	LxWxH (mm)	SUCTION/ DELIVERY	
PKSm70	0.6x1ph	PP1 01/40	1.5	1x24L	PP2 03/40	3	1x24L	1000x650x900	1½	45
Pkm80	0.75x1ph	PP1 02/40	1.8	1x24L	PP2 04/40	3.6	1x24L	1000x650x900	1½	85
CPm190	1.5x1ph	PP1 04/40	4	1x24L	PP2 08/40	8	1x60L	1000x650x1000	2	90
5CRm100	1.1x1ph	PP1 05/40	4.5	1x24L	PP2 09/40	9	1x60L	1000x650x1000	2	110
Plurijet 6/200	2.2x3ph	PP1 10/40	10	1x60L	PP2 20/40	20	1x100L	1000x650x1000	2	185
2CP 32/200C	3x3ph	PP1 12/40	12	1x100L	PP2 24/40	24	1x300L	1000x650x1400	2	160
FCR15/3	4x3ph	PP1 20/40	20	1x100L	PP2 40/40	40	1x300L	1000x650x1400	2½	175
F40/200B	5.5x3ph	PP1 25/40	25	1x300L	PP2 50/40	50	1x300L	1000x650x1400	4	190
FCR30/3	5.5x3ph	PP1 30/40	30	1x300L	PP2 60/40	60	1x300L	1000x650x1400	4	190

Single operation: Cut-out pressure 4.5bar, Cut-in pressure 2.5Bar, Parallel Operation: Pump 1: Cut-out pressure 4.5Bar, Cut-in pressure 2.5Bar, Pump 2: Cut-out pressure 4Bar, Cut-in pressure 2bar

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6 BAR SYSTEMS SPECIFICATIONS

PUMP	POWER (kW)	SINGLE OPERATION			PARALLEL OPERATION			DIMENSIONS	CONNECTIONS(")	WEIGHT (KG)
		MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	LxWxH (mm)	SUCTION/ DELIVERY	
Pkm100	1.1x1ph	PP1 02/60	1.5	1x24L	PP2 03/60	3	1x24L	1000x650x900	1½	90
PLURIJET 6/130	2.2x3ph	PP1 06/60	6.5	1x60L	PP2 13/60	13	1x60L	1000x650x1000	2	160
2CP 32/200B	4x3ph	PP1 11/60	11	1x60L	PP2 22/60	22	1x300L	1000x650x1400	2	200
FCR 15/4	5.5x3ph	PP1 18/60	18	1x100L	PP2 36/60	36	1x300L	1000x650x1400	2	190
FCR 15/5	7.5x3ph	PP1 22/60	22	1x300L	PP2 44/60	44	1x300L	1000x650x1400	2½	190
FCR 30/4	7.5x3ph	PP1 25/60	25	1x300L	PP2 50/60	50	1x300L	1200x650x1400	4	190
F40/250B	11x3ph	PP1 35/60	35	1x300L	PP2 70/60	70	1x300L	1200x650x1400	4	190

Single operation: Cut-out pressure 6.5bar, Cut-in pressure 4.5Bar, Parallel Operation: Pump 1: Cut-out pressure 6.5Bar, Cut-in pressure 4.5Bar, Pump 2: Cut-out pressure 6Bar, Cut-in pressure 4bar

PRESSFLO D - DAYLIFF PUMPS MODEL

2.5 BAR SYSTEMS SPECIFICATIONS

PUMP	POWER (kW)	SINGLE OPERATION			PARALLEL OPERATION			DIMENSIONS	CONNECTIONS (")	WEIGHT (KG)
		MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	LxWxH (mm)	SUCTION/DELIVERY	
Dayliff DB 2-50	0.7x1ph	PDB1 03/25	3	1x24L	PDB2 06/25	6	1x24L	1000x650x900	1½	45
Dayliff DB 4-40	1.0x1ph	PDB1 05/25	5	1x24L	PDB2 10/25	10	1x60L	1000x650x1000	2	57
Dayliff DB 8-30	1.1x1ph	PDB1 06/25	6	1x60L	PDB2 12/25	12	1x60L	1000x650x1400	2½	97
Dayliff DB 12-30	1.7x1ph	PDB1 10/25	10	1x60L	PDB2 20/25	20	1x100L	1000x650x1400	2½	102
Dayliff DB 16-30	3x3ph	PDB1 20/25	20	1x100L	PDB2 40/25	40	1x300L	1000x650x900	3	110
Dayliff DB 20-30	4x3ph	PDB1 24/25	24	1x100L	PDB2 48/25	48	1x300L	1000x650x1400	3	135
Dayliff DIN 10-4	1.5x3ph	PDI1 10/25	10	1x60L	PDI2 20/25	20	1x100L	1000x650x1400	2½	166
Dayliff DIN 15-3	3x3ph	PDI115/25	15	1x60L	PDI2 30/25	30	1x300L	1200x650x1400	3	251
Dayliff DIN 20-3	4x3ph	PDI1 25/25	25	1x300L	PDI2 50/25	50	2x300L	1200x650x1400	3	265
Dayliff DIN 32-2	4x3ph	PDI130/25	30	1x300L	PDI2 60/25	60	2x300L	1200x650x1400	6	298
Dayliff DIN 45-2	7.5x3ph	PDI1 50/25	50	1x300L	PDI2 100/25	100	1x300L	1400x800x1500	6	381
Dayliff DE 32-16	4.5x3ph	PDE1 20/25	20	1x100L	PDE2 40/25	40	1x300L	1200x650x1400	4	192
Dayliff DE 40-16	5.5x3ph	PDE130/25	30	1x300L	PDE2 60/25	60	1x300L	1200x650x1400	4	190
Dayliff DE 50-16	11x3ph	PDE1 50/25	50	2x300L	PDE2 100/25	100	2x300L	1400x800x1500	4	259

Single Operation: Cut-out pressure 3 Bar, Cut-in pressure 1.8 Bar, Parallel Operation: Pump 1: Cut-out pressure 3 Bar, Cut-in pressure 1.8 Bar, Pump 2: Cut-out pressure 2.5 Bar, Cut-in pressure 1.5 Bar

4 BAR SYSTEMS SPECIFICATIONS

PUMP	POWER (kW)	SINGLE OPERATION			PARALLEL OPERATION			DIMENSIONS	CONNECTIONS(")	WEIGHT (KG)
		MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	LxWxH (mm)	SUCTION/ DELIVERY	
Dayliff DB 4-60	1.5x1ph	PDB1 04/40	4	1x24L	PDB2 08/40	8	1x60L	1000x650x900	1½	62
Dayliff DB 8-50	1.8x3ph	PDB1 06/40	6	1x24L	PDB2 12/40	12	1x60L	1000x650x1400	1½	127
Dayliff DB 12-50	2.8x3ph	PDB1 10/40	10	1x60L	PDB2 20/40	20	1x100L	1000x650x1400	1½	120
Dayliff DB 16-40	4x3ph	PDB1 18/40	18	1x100L	PDB2 36/40	36	1x300L	1000x650x1400	3	118
Dayliff DB 20-40	4.4x3ph	PDB1 24/40	24	1x300L	PDB2 48/40	48	1x300L	1000x650x1400	3	140
Dayliff DIN 10-60	2.2x3ph	PDI1 10/40	10	1x60L	PDI2 20/40	20	1x100L	1000x650x1400	2½	173
Dayliff DIN 15-5	4x3ph	PDI1 20/40	20	1x100L	PDI2 40/40	40	1x300L	1000x650x1400	3	273
Dayliff DIN 32-3	5.5x3ph	PDI1 30/40	30	1x300L	PDI2 60/40	60	2x300L	1200x650x1400	4	335
Dayliff DIN 45-2	7.5x3ph	PDI1 40/40	40	1x300L	PDI2 80/40	80	2x300L	1200x650x1400	6	381
Dayliff DE 32-20	9x3ph	PDE1 15/40	15	1x100L	PDE2 30/40	30	1x300L	1200x650x1400	4	192
Dayliff DE 40-20	9.2x3ph	PDE1 25/40	25	1x300L	PDE2 50/40	50	2x300L	1400x650x1400	4	190
Dayliff DE 50-20	18x3ph	PDE1 50/40	50	2x300L	PDE2 100/40	100	2x300L	1200x650x400	4	259

Single Operation: Cut-out pressure 4.5 Bar, Cut-in pressure 2.5 Bar, Parallel Operation: Pump 1: Cut-out pressure 4.5 Bar, Cut-in pressure 2.5 Bar, Pump 2: Cut-out pressure 4 Bar, Cut-in pressure 2 Bar

6 BAR SYSTEMS SPECIFICATIONS

PUMP	POWER (kW)	SINGLE OPERATION			PARALLEL OPERATION			DIMENSIONS	CONNECTIONS (")	WEIGHT (KG)
		MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	LxWxH (mm)	SUCTION/ DELIVERY	
Dayliff DIN 3-15	1.1x3ph	PDI1 03/60	3	1x24L	PDI2 06/60	6	1x100L	1000x650x900	1½	97
Dayliff DIN 5-16	2.2x3ph	PDI1 06/60	6	1x160L	PDI2 12/60	12	1x100L	1000x650x1000	2	38
Dayliff DIN 10-9	3x3ph	PDI112/60	12	1x60L	PDI2 24/60	24	1x300L	1000x650x1400	2½	193
Dayliff DIN 15-7	5.5x3ph	PDI1 20/60	20	1x100L	PDI2 40/60	40	1x300L	1000x650x1400	3	322
Dayliff DIN 20-7	7.5x3ph	PDI125/60	25	1x300L	PDI2 50/60	50	1x300L	1000x650x1400	3	342
Dayliff DIN 32-4	7.5x3ph	PDI1 30/60	30	1x300L	PDI2 60/60	60	1x300L	1200x650x1400	4	417
Dayliff DIN 45-3	11x3ph	PDI145/60	45	1x300L	PDI2 90/60	90	2x300L	1200x650x1400	6	523

Single Operation: Cut-out pressure 4.5 Bar, Cut-in pressure 2.5 Bar, Parallel Operation: Pu mp 1: Cut-out pressure 4.5 Bar, Cut-in pressure 2. 5 Bar, Pump 2: Cut-out pressure 4 Bar, Cut-in pres sure 2 Bar

10 BAR SYSTEMS SPECIFICATIONS

PUMP	POWER (kW)	SINGLE OPERATION			PARALLEL OPERATION			DIMENSIONS	CONNECTIONS(")	WEIGHT (KG)
		MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	MODEL	CAPACITY (m^3/hr)	PRESSURE TANK	LxWxH (mm)	SUCTION/ DELIVERY	
Dayliff DIN 5-20	3x3ph	PDI1 05/10	5	1x24L	PDI2 10/100	10	1x60L	1000x700x1500	2	185
Dayliff DIN 10-12	4x3ph	PDI1 09/10	9	1x60L	PDI2 18/100	18	1x100L	1000x700x1500	2½	285
Dayliff DIN 20-10	11x3ph	PDI1 20/10	20	1x100L	PDI2 40/100	40	2x300L	1000x700x1500	3	430
Dayliff DIN 32-10	18.5x3ph	PDI1 30/10	30	1x300L	PDI2 60/100	60	2x300L	1000x700x1500	3	560

Single operation: Cut-out pressure 10.5Bar, Cut-in pressure 8.5Bar, Parallel Operation: Pump 1: Cut-out pressure 10.5Bar, Cut-in pressure 8.5Bar, Pump 2: Cut-out pressure 10Bar,Cut-in pressure Bar